

Orland Truck Wash - Glenn County, Annual

**Orland Truck Wash
Glenn County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	19.34	1000sqft	1.19	19,341.00	0
Automobile Care Center	6.12	1000sqft	0.95	6,120.00	0
User Defined Retail	0.00	User Defined Unit	0.93	5,700.00	0
Strip Mall	25.63	1000sqft	0.99	25,631.00	0
Strip Mall	23.26	1000sqft	0.92	23,261.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	61
Climate Zone	3			Operational Year	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics -

Land Use - Lot acreage update to match that of the project.

Construction Phase - construction, paving and coating will occur at the same time.

Fleet Mix - information updated to match that of the traffic report.

Energy Use - User defined retail will have a similar use as the auto care center.

Water And Wastewater - Indoor water use updated to reflect information provided.

Solid Waste - User defined retail and auto care center will have similar uses.

Water Mitigation -

Vehicle Trips - Information updated to match the traffic impact study

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	230.00
tblConstructionPhase	NumDays	18.00	230.00
tblConstructionPhase	PhaseEndDate	9/17/2020	3/5/2021
tblConstructionPhase	PhaseEndDate	7/29/2020	3/5/2021
tblConstructionPhase	PhaseEndDate	9/11/2019	4/17/2020
tblConstructionPhase	PhaseEndDate	8/24/2020	3/5/2021
tblConstructionPhase	PhaseEndDate	8/30/2019	4/7/2020
tblConstructionPhase	PhaseStartDate	8/25/2020	4/18/2020
tblConstructionPhase	PhaseStartDate	9/12/2019	4/18/2020
tblConstructionPhase	PhaseStartDate	8/31/2019	4/8/2020
tblConstructionPhase	PhaseStartDate	7/30/2020	4/18/2020
tblConstructionPhase	PhaseStartDate	8/24/2019	4/1/2020
tblEnergyUse	LightingElect	0.00	2.70
tblEnergyUse	NT24E	0.00	4.61
tblEnergyUse	NT24NG	0.00	3.84
tblEnergyUse	T24E	0.00	1.96

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tblEnergyUse	T24NG	0.00	17.03
tblFleetMix	HHD	0.07	0.50
tblFleetMix	HHD	0.07	0.50
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.03	0.00
tblFleetMix	LDT1	0.03	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.2760e-003	0.00
tblFleetMix	LHD2	7.2760e-003	0.00
tblFleetMix	MCY	4.7390e-003	0.00
tblFleetMix	MCY	4.7390e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.5800e-004	0.00
tblFleetMix	MH	8.5800e-004	0.00
tblFleetMix	MHD	9.8790e-003	0.50
tblFleetMix	MHD	9.8790e-003	0.50
tblFleetMix	OBUS	1.0780e-003	0.00
tblFleetMix	OBUS	1.0780e-003	0.00
tblFleetMix	SBUS	8.0100e-004	0.00
tblFleetMix	SBUS	8.0100e-004	0.00
tblFleetMix	UBUS	1.6470e-003	0.00
tblFleetMix	UBUS	1.6470e-003	0.00

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tblLandUse	LandUseSquareFeet	0.00	5,700.00
tblLandUse	LotAcreage	0.44	1.19
tblLandUse	LotAcreage	0.14	0.95
tblLandUse	LotAcreage	0.59	0.99
tblLandUse	LotAcreage	0.53	0.92
tblLandUse	LotAcreage	0.00	0.93
tblSolidWaste	SolidWasteGenerationRate	0.00	23.38
tblVehicleTrips	CC_TTP	0.00	48.00
tblVehicleTrips	CNW_TTP	0.00	19.00
tblVehicleTrips	CW_TTP	0.00	33.00
tblVehicleTrips	DV_TP	0.00	51.00
tblVehicleTrips	PB_TP	0.00	28.00
tblVehicleTrips	PR_TP	0.00	21.00
tblVehicleTrips	ST_TR	23.72	25.00
tblVehicleTrips	ST_TR	42.04	38.00
tblVehicleTrips	ST_TR	0.00	11.95
tblVehicleTrips	SU_TR	11.88	25.00
tblVehicleTrips	SU_TR	20.43	38.00
tblVehicleTrips	SU_TR	0.00	11.95
tblVehicleTrips	WD_TR	23.72	25.00
tblVehicleTrips	WD_TR	44.32	38.00
tblVehicleTrips	WD_TR	0.00	11.95
tblWater	IndoorWaterUseRate	575,776.38	273,750.00
tblWater	IndoorWaterUseRate	0.00	273,750.00
tblWater	OutdoorWaterUseRate	0.00	352,895.20

2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
3	1-29-2020	4-28-2020	0.4021	0.4021
4	4-29-2020	7-28-2020	1.5067	1.5067
5	7-29-2020	10-28-2020	1.5239	1.5239
6	10-29-2020	1-28-2021	1.4912	1.4912
7	1-29-2021	4-28-2021	0.5530	0.5530
		Highest	1.5239	1.5239

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4055	1.0000e-005	6.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3300e-003	1.3300e-003	0.0000	0.0000	1.4200e-003
Energy	5.2700e-003	0.0479	0.0402	2.9000e-004		3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003	0.0000	244.9745	244.9745	9.7200e-003	2.7600e-003	246.0399
Mobile	0.9580	8.3788	8.2311	0.0290	1.5640	0.0317	1.5957	0.4212	0.0300	0.4511	0.0000	2,682.0984	2,682.0984	0.2203	0.0000	2,687.6049
Waste						0.0000	0.0000		0.0000	0.0000	24.0341	0.0000	24.0341	1.4204	0.0000	59.5435
Water						0.0000	0.0000		0.0000	0.0000	1.7771	12.6900	14.4671	0.1831	4.4300e-003	20.3642
Total	1.3688	8.4267	8.2720	0.0293	1.5640	0.0354	1.5993	0.4212	0.0336	0.4548	25.8112	2,939.7642	2,965.5754	1.8335	7.1900e-003	3,013.5540

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4055	1.0000e-005	6.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3300e-003	1.3300e-003	0.0000	0.0000	1.4200e-003
Energy	5.2700e-003	0.0479	0.0402	2.9000e-004		3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003	0.0000	244.9745	244.9745	9.7200e-003	2.7600e-003	246.0399
Mobile	0.9580	8.3788	8.2311	0.0290	1.5640	0.0317	1.5957	0.4212	0.0300	0.4511	0.0000	2,682.0984	2,682.0984	0.2203	0.0000	2,687.6049
Waste						0.0000	0.0000		0.0000	0.0000	24.0341	0.0000	24.0341	1.4204	0.0000	59.5435
Water						0.0000	0.0000		0.0000	0.0000	1.5574	11.6001	13.1576	0.1605	3.8900e-003	18.3277
Total	1.3688	8.4267	8.2720	0.0293	1.5640	0.0354	1.5993	0.4212	0.0336	0.4548	25.5916	2,938.6744	2,964.2659	1.8109	6.6500e-003	3,011.5175

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	0.04	0.04	1.23	7.51	0.07

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2020	4/7/2020	5	5	
2	Grading	Grading	4/8/2020	4/17/2020	5	8	
3	Building Construction	Building Construction	4/18/2020	3/5/2021	5	230	
4	Paving	Paving	4/18/2020	3/5/2021	5	230	
5	Architectural Coating	Architectural Coating	4/18/2020	3/5/2021	5	230	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 120,080; Non-Residential Outdoor: 40,027; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Excavators	1	8.00	158	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	6.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	2	6.00	132	0.36
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	26.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0102	0.1060	0.0538	1.0000e-004		5.4900e-003	5.4900e-003		5.0500e-003	5.0500e-003	0.0000	8.3577	8.3577	2.7000e-003	0.0000	8.4253
Total	0.0102	0.1060	0.0538	1.0000e-004	0.0452	5.4900e-003	0.0507	0.0248	5.0500e-003	0.0299	0.0000	8.3577	8.3577	2.7000e-003	0.0000	8.4253

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3.2 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.6000e-004	1.5300e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3232	0.3232	1.0000e-005	0.0000	0.3235
Total	2.0000e-004	1.6000e-004	1.5300e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3232	0.3232	1.0000e-005	0.0000	0.3235

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0102	0.1060	0.0538	1.0000e-004		5.4900e-003	5.4900e-003		5.0500e-003	5.0500e-003	0.0000	8.3577	8.3577	2.7000e-003	0.0000	8.4252
Total	0.0102	0.1060	0.0538	1.0000e-004	0.0452	5.4900e-003	0.0507	0.0248	5.0500e-003	0.0299	0.0000	8.3577	8.3577	2.7000e-003	0.0000	8.4252

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3.2 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.6000e-004	1.5300e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3232	0.3232	1.0000e-005	0.0000	0.3235
Total	2.0000e-004	1.6000e-004	1.5300e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3232	0.3232	1.0000e-005	0.0000	0.3235

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0262	0.0000	0.0262	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.7200e-003	0.1055	0.0642	1.2000e-004		5.0900e-003	5.0900e-003		4.6900e-003	4.6900e-003	0.0000	10.4235	10.4235	3.3700e-003	0.0000	10.5078
Total	9.7200e-003	0.1055	0.0642	1.2000e-004	0.0262	5.0900e-003	0.0313	0.0135	4.6900e-003	0.0182	0.0000	10.4235	10.4235	3.3700e-003	0.0000	10.5078

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3.3 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7000e-004	2.1000e-004	2.0400e-003	0.0000	4.7000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4309	0.4309	2.0000e-005	0.0000	0.4313
Total	2.7000e-004	2.1000e-004	2.0400e-003	0.0000	4.7000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4309	0.4309	2.0000e-005	0.0000	0.4313

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0262	0.0000	0.0262	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.7200e-003	0.1055	0.0642	1.2000e-004		5.0900e-003	5.0900e-003		4.6900e-003	4.6900e-003	0.0000	10.4235	10.4235	3.3700e-003	0.0000	10.5078
Total	9.7200e-003	0.1055	0.0642	1.2000e-004	0.0262	5.0900e-003	0.0313	0.0135	4.6900e-003	0.0182	0.0000	10.4235	10.4235	3.3700e-003	0.0000	10.5078

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3.3 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7000e-004	2.1000e-004	2.0400e-003	0.0000	4.7000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4309	0.4309	2.0000e-005	0.0000	0.4313
Total	2.7000e-004	2.1000e-004	2.0400e-003	0.0000	4.7000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4309	0.4309	2.0000e-005	0.0000	0.4313

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1950	1.7651	1.5501	2.4800e-003		0.1028	0.1028		0.0966	0.0966	0.0000	213.0812	213.0812	0.0520	0.0000	214.3808
Total	0.1950	1.7651	1.5501	2.4800e-003		0.1028	0.1028		0.0966	0.0966	0.0000	213.0812	213.0812	0.0520	0.0000	214.3808

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3.4 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5000e-003	0.1486	0.0453	3.5000e-004	7.8700e-003	8.8000e-004	8.7500e-003	2.2800e-003	8.4000e-004	3.1200e-003	0.0000	33.1981	33.1981	2.2400e-003	0.0000	33.2541
Worker	0.0108	8.5000e-003	0.0815	1.9000e-004	0.0189	1.5000e-004	0.0191	5.0400e-003	1.3000e-004	5.1700e-003	0.0000	17.1796	17.1796	6.6000e-004	0.0000	17.1961
Total	0.0173	0.1571	0.1267	5.4000e-004	0.0268	1.0300e-003	0.0278	7.3200e-003	9.7000e-004	8.2900e-003	0.0000	50.3777	50.3777	2.9000e-003	0.0000	50.4502

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1950	1.7651	1.5501	2.4800e-003		0.1028	0.1028		0.0966	0.0966	0.0000	213.0809	213.0809	0.0520	0.0000	214.3805
Total	0.1950	1.7651	1.5501	2.4800e-003		0.1028	0.1028		0.0966	0.0966	0.0000	213.0809	213.0809	0.0520	0.0000	214.3805

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3.4 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5000e-003	0.1486	0.0453	3.5000e-004	7.8700e-003	8.8000e-004	8.7500e-003	2.2800e-003	8.4000e-004	3.1200e-003	0.0000	33.1981	33.1981	2.2400e-003	0.0000	33.2541
Worker	0.0108	8.5000e-003	0.0815	1.9000e-004	0.0189	1.5000e-004	0.0191	5.0400e-003	1.3000e-004	5.1700e-003	0.0000	17.1796	17.1796	6.6000e-004	0.0000	17.1961
Total	0.0173	0.1571	0.1267	5.4000e-004	0.0268	1.0300e-003	0.0278	7.3200e-003	9.7000e-004	8.2900e-003	0.0000	50.3777	50.3777	2.9000e-003	0.0000	50.4502

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0437	0.4009	0.3812	6.2000e-004		0.0221	0.0221		0.0207	0.0207	0.0000	53.2766	53.2766	0.0129	0.0000	53.5979
Total	0.0437	0.4009	0.3812	6.2000e-004		0.0221	0.0221		0.0207	0.0207	0.0000	53.2766	53.2766	0.0129	0.0000	53.5979

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3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3400e-003	0.0338	9.6500e-003	9.0000e-005	1.9700e-003	1.1000e-004	2.0800e-003	5.7000e-004	1.0000e-004	6.7000e-004	0.0000	8.2453	8.2453	5.7000e-004	0.0000	8.2595
Worker	2.4800e-003	1.8800e-003	0.0183	5.0000e-005	4.7300e-003	4.0000e-005	4.7700e-003	1.2600e-003	3.0000e-005	1.2900e-003	0.0000	4.1470	4.1470	1.5000e-004	0.0000	4.1506
Total	3.8200e-003	0.0357	0.0280	1.4000e-004	6.7000e-003	1.5000e-004	6.8500e-003	1.8300e-003	1.3000e-004	1.9600e-003	0.0000	12.3923	12.3923	7.2000e-004	0.0000	12.4101

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0437	0.4009	0.3812	6.2000e-004		0.0221	0.0221		0.0207	0.0207	0.0000	53.2765	53.2765	0.0129	0.0000	53.5978
Total	0.0437	0.4009	0.3812	6.2000e-004		0.0221	0.0221		0.0207	0.0207	0.0000	53.2765	53.2765	0.0129	0.0000	53.5978

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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3400e-003	0.0338	9.6500e-003	9.0000e-005	1.9700e-003	1.1000e-004	2.0800e-003	5.7000e-004	1.0000e-004	6.7000e-004	0.0000	8.2453	8.2453	5.7000e-004	0.0000	8.2595
Worker	2.4800e-003	1.8800e-003	0.0183	5.0000e-005	4.7300e-003	4.0000e-005	4.7700e-003	1.2600e-003	3.0000e-005	1.2900e-003	0.0000	4.1470	4.1470	1.5000e-004	0.0000	4.1506
Total	3.8200e-003	0.0357	0.0280	1.4000e-004	6.7000e-003	1.5000e-004	6.8500e-003	1.8300e-003	1.3000e-004	1.9600e-003	0.0000	12.3923	12.3923	7.2000e-004	0.0000	12.4101

3.5 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1089	1.0857	1.1300	1.7400e-003		0.0599	0.0599		0.0553	0.0553	0.0000	150.6226	150.6226	0.0473	0.0000	151.8058
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1089	1.0857	1.1300	1.7400e-003		0.0599	0.0599		0.0553	0.0553	0.0000	150.6226	150.6226	0.0473	0.0000	151.8058

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3.5 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.2900e-003	6.5400e-003	0.0627	1.5000e-004	0.0146	1.1000e-004	0.0147	3.8700e-003	1.0000e-004	3.9800e-003	0.0000	13.2151	13.2151	5.1000e-004	0.0000	13.2277
Total	8.2900e-003	6.5400e-003	0.0627	1.5000e-004	0.0146	1.1000e-004	0.0147	3.8700e-003	1.0000e-004	3.9800e-003	0.0000	13.2151	13.2151	5.1000e-004	0.0000	13.2277

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1089	1.0857	1.1300	1.7400e-003		0.0599	0.0599		0.0553	0.0553	0.0000	150.6225	150.6225	0.0473	0.0000	151.8056
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1089	1.0857	1.1300	1.7400e-003		0.0599	0.0599		0.0553	0.0553	0.0000	150.6225	150.6225	0.0473	0.0000	151.8056

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3.5 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.2900e-003	6.5400e-003	0.0627	1.5000e-004	0.0146	1.1000e-004	0.0147	3.8700e-003	1.0000e-004	3.9800e-003	0.0000	13.2151	13.2151	5.1000e-004	0.0000	13.2277
Total	8.2900e-003	6.5400e-003	0.0627	1.5000e-004	0.0146	1.1000e-004	0.0147	3.8700e-003	1.0000e-004	3.9800e-003	0.0000	13.2151	13.2151	5.1000e-004	0.0000	13.2277

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0252	0.2493	0.2820	4.4000e-004		0.0133	0.0133		0.0123	0.0123	0.0000	37.6524	37.6524	0.0118	0.0000	37.9482
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0252	0.2493	0.2820	4.4000e-004		0.0133	0.0133		0.0123	0.0123	0.0000	37.6524	37.6524	0.0118	0.0000	37.9482

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3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9100e-003	1.4500e-003	0.0141	4.0000e-005	3.6400e-003	3.0000e-005	3.6700e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	3.1900	3.1900	1.1000e-004	0.0000	3.1928
Total	1.9100e-003	1.4500e-003	0.0141	4.0000e-005	3.6400e-003	3.0000e-005	3.6700e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	3.1900	3.1900	1.1000e-004	0.0000	3.1928

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0252	0.2493	0.2820	4.4000e-004		0.0133	0.0133		0.0123	0.0123	0.0000	37.6524	37.6524	0.0118	0.0000	37.9482
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0252	0.2493	0.2820	4.4000e-004		0.0133	0.0133		0.0123	0.0123	0.0000	37.6524	37.6524	0.0118	0.0000	37.9482

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3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9100e-003	1.4500e-003	0.0141	4.0000e-005	3.6400e-003	3.0000e-005	3.6700e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	3.1900	3.1900	1.1000e-004	0.0000	3.1928
Total	1.9100e-003	1.4500e-003	0.0141	4.0000e-005	3.6400e-003	3.0000e-005	3.6700e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	3.1900	3.1900	1.1000e-004	0.0000	3.1928

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7421					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1549	0.1685	2.7000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	23.4899	23.4899	1.8200e-003	0.0000	23.5354
Total	0.7644	0.1549	0.1685	2.7000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	23.4899	23.4899	1.8200e-003	0.0000	23.5354

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3.6 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0700e-003	1.6300e-003	0.0157	4.0000e-005	3.6400e-003	3.0000e-005	3.6700e-003	9.7000e-004	3.0000e-005	9.9000e-004	0.0000	3.3038	3.3038	1.3000e-004	0.0000	3.3069
Total	2.0700e-003	1.6300e-003	0.0157	4.0000e-005	3.6400e-003	3.0000e-005	3.6700e-003	9.7000e-004	3.0000e-005	9.9000e-004	0.0000	3.3038	3.3038	1.3000e-004	0.0000	3.3069

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7421					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1549	0.1685	2.7000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	23.4899	23.4899	1.8200e-003	0.0000	23.5354
Total	0.7644	0.1549	0.1685	2.7000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	23.4899	23.4899	1.8200e-003	0.0000	23.5354

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3.6 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0700e-003	1.6300e-003	0.0157	4.0000e-005	3.6400e-003	3.0000e-005	3.6700e-003	9.7000e-004	3.0000e-005	9.9000e-004	0.0000	3.3038	3.3038	1.3000e-004	0.0000	3.3069
Total	2.0700e-003	1.6300e-003	0.0157	4.0000e-005	3.6400e-003	3.0000e-005	3.6700e-003	9.7000e-004	3.0000e-005	9.9000e-004	0.0000	3.3038	3.3038	1.3000e-004	0.0000	3.3069

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1855					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.0300e-003	0.0351	0.0418	7.0000e-005		2.1600e-003	2.1600e-003		2.1600e-003	2.1600e-003	0.0000	5.8725	5.8725	4.0000e-004	0.0000	5.8826
Total	0.1906	0.0351	0.0418	7.0000e-005		2.1600e-003	2.1600e-003		2.1600e-003	2.1600e-003	0.0000	5.8725	5.8725	4.0000e-004	0.0000	5.8826

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3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.6000e-004	3.5300e-003	1.0000e-005	9.1000e-004	1.0000e-005	9.2000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.7975	0.7975	3.0000e-005	0.0000	0.7982
Total	4.8000e-004	3.6000e-004	3.5300e-003	1.0000e-005	9.1000e-004	1.0000e-005	9.2000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.7975	0.7975	3.0000e-005	0.0000	0.7982

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1855					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.0300e-003	0.0351	0.0418	7.0000e-005		2.1600e-003	2.1600e-003		2.1600e-003	2.1600e-003	0.0000	5.8725	5.8725	4.0000e-004	0.0000	5.8826
Total	0.1906	0.0351	0.0418	7.0000e-005		2.1600e-003	2.1600e-003		2.1600e-003	2.1600e-003	0.0000	5.8725	5.8725	4.0000e-004	0.0000	5.8826

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3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.6000e-004	3.5300e-003	1.0000e-005	9.1000e-004	1.0000e-005	9.2000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.7975	0.7975	3.0000e-005	0.0000	0.7982
Total	4.8000e-004	3.6000e-004	3.5300e-003	1.0000e-005	9.1000e-004	1.0000e-005	9.2000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.7975	0.7975	3.0000e-005	0.0000	0.7982

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.9580	8.3788	8.2311	0.0290	1.5640	0.0317	1.5957	0.4212	0.0300	0.4511	0.0000	2,682.0984	2,682.0984	0.2203	0.0000	2,687.6049
Unmitigated	0.9580	8.3788	8.2311	0.0290	1.5640	0.0317	1.5957	0.4212	0.0300	0.4511	0.0000	2,682.0984	2,682.0984	0.2203	0.0000	2,687.6049

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	153.00	153.00	153.00	152,416	152,416
Strip Mall	734.96	734.96	734.96	1,131,860	1,131,860
Strip Mall	973.98	973.98	973.98	1,499,958	1,499,958
Strip Mall	883.92	883.92	883.92	1,361,263	1,361,263
User Defined Retail	0.00	0.00	0.00		
Total	2,745.85	2,745.85	2,745.85	4,145,497	4,145,497

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	9.50	7.30	7.30	33.00	48.00	19.00	21	51	28
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15
User Defined Retail	9.50	7.30	7.30	33.00	48.00	19.00	21	51	28

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4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.500000	0.500000	0.000000	0.000000	0.000000	0.000000	0.000000
Strip Mall	0.549294	0.032492	0.169090	0.120716	0.031218	0.007276	0.009879	0.070912	0.001078	0.001647	0.004739	0.000801	0.000858
User Defined Retail	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.500000	0.500000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	192.8500	192.8500	8.7200e-003	1.8000e-003	193.6056
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	192.8500	192.8500	8.7200e-003	1.8000e-003	193.6056
NaturalGas Mitigated	5.2700e-003	0.0479	0.0402	2.9000e-004		3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003	0.0000	52.1245	52.1245	1.0000e-003	9.6000e-004	52.4343
NaturalGas Unmitigated	5.2700e-003	0.0479	0.0402	2.9000e-004		3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003	0.0000	52.1245	52.1245	1.0000e-003	9.6000e-004	52.4343

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Automobile Care Center	127724	6.9000e-004	6.2600e-003	5.2600e-003	4.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	6.8159	6.8159	1.3000e-004	1.2000e-004	6.8564
Strip Mall	206949	1.1200e-003	0.0101	8.5200e-003	6.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	11.0436	11.0436	2.1000e-004	2.0000e-004	11.1092
Strip Mall	248893	1.3400e-003	0.0122	0.0103	7.0000e-005		9.3000e-004	9.3000e-004		9.3000e-004	9.3000e-004	0.0000	13.2819	13.2819	2.5000e-004	2.4000e-004	13.3608
Strip Mall	274252	1.4800e-003	0.0134	0.0113	8.0000e-005		1.0200e-003	1.0200e-003		1.0200e-003	1.0200e-003	0.0000	14.6351	14.6351	2.8000e-004	2.7000e-004	14.7221
User Defined Retail	118959	6.4000e-004	5.8300e-003	4.9000e-003	3.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004	0.0000	6.3481	6.3481	1.2000e-004	1.2000e-004	6.3858
Total		5.2700e-003	0.0479	0.0402	2.8000e-004		3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003	0.0000	52.1245	52.1245	9.9000e-004	9.5000e-004	52.4343

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Automobile Care Center	127724	6.9000e-004	6.2600e-003	5.2600e-003	4.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	6.8159	6.8159	1.3000e-004	1.2000e-004	6.8564
Strip Mall	206949	1.1200e-003	0.0101	8.5200e-003	6.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	11.0436	11.0436	2.1000e-004	2.0000e-004	11.1092
Strip Mall	248893	1.3400e-003	0.0122	0.0103	7.0000e-005		9.3000e-004	9.3000e-004		9.3000e-004	9.3000e-004	0.0000	13.2819	13.2819	2.5000e-004	2.4000e-004	13.3608
Strip Mall	274252	1.4800e-003	0.0134	0.0113	8.0000e-005		1.0200e-003	1.0200e-003		1.0200e-003	1.0200e-003	0.0000	14.6351	14.6351	2.8000e-004	2.7000e-004	14.7221
User Defined Retail	118959	6.4000e-004	5.8300e-003	4.9000e-003	3.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004	0.0000	6.3481	6.3481	1.2000e-004	1.2000e-004	6.3858
Total		5.2700e-003	0.0479	0.0402	2.8000e-004		3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003	0.0000	52.1245	52.1245	9.9000e-004	9.5000e-004	52.4343

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	53978.4	15.7029	7.1000e-004	1.5000e-004	15.7645
Strip Mall	157629	45.8561	2.0700e-003	4.3000e-004	46.0358
Strip Mall	189577	55.1502	2.4900e-003	5.2000e-004	55.3663
Strip Mall	208893	60.7693	2.7500e-003	5.7000e-004	61.0074
User Defined Retail	52839	15.3715	7.0000e-004	1.4000e-004	15.4317
Total		192.8500	8.7200e-003	1.8100e-003	193.6056

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	53978.4	15.7029	7.1000e-004	1.5000e-004	15.7645
Strip Mall	157629	45.8561	2.0700e-003	4.3000e-004	46.0358
Strip Mall	189577	55.1502	2.4900e-003	5.2000e-004	55.3663
Strip Mall	208893	60.7693	2.7500e-003	5.7000e-004	61.0074
User Defined Retail	52839	15.3715	7.0000e-004	1.4000e-004	15.4317
Total		192.8500	8.7200e-003	1.8100e-003	193.6056

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4055	1.0000e-005	6.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3300e-003	1.3300e-003	0.0000	0.0000	1.4200e-003
Unmitigated	0.4055	1.0000e-005	6.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3300e-003	1.3300e-003	0.0000	0.0000	1.4200e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0928					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3127					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.0000e-005	1.0000e-005	6.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3300e-003	1.3300e-003	0.0000	0.0000	1.4200e-003
Total	0.4055	1.0000e-005	6.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3300e-003	1.3300e-003	0.0000	0.0000	1.4200e-003

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0928					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3127					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.0000e-005	1.0000e-005	6.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3300e-003	1.3300e-003	0.0000	0.0000	1.4200e-003
Total	0.4055	1.0000e-005	6.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3300e-003	1.3300e-003	0.0000	0.0000	1.4200e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Toilet

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	13.1576	0.1605	3.8900e-003	18.3277
Unmitigated	14.4671	0.1831	4.4300e-003	20.3642

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0.27375 / 0.352895	0.8771	8.9600e-003	2.2000e-004	1.1659
Strip Mall	5.05397 / 3.09759	12.7129	0.1652	3.9900e-003	18.0323
User Defined Retail	0.27375 / 0.352895	0.8771	8.9600e-003	2.2000e-004	1.1659
Total		14.4671	0.1831	4.4300e-003	20.3642

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0.239915 / 0.352895	0.8131	7.8500e-003	1.9000e-004	1.0664
Strip Mall	4.4293 / 3.09759	11.5314	0.1448	3.5000e-003	16.1949
User Defined Retail	0.239915 / 0.352895	0.8131	7.8500e-003	1.9000e-004	1.0664
Total		13.1576	0.1605	3.8800e-003	18.3277

8.0 Waste Detail

8.1 Mitigation Measures Waste

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	24.0341	1.4204	0.0000	59.5435
Unmitigated	24.0341	1.4204	0.0000	59.5435

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	23.38	4.7459	0.2805	0.0000	11.7578
Strip Mall	71.64	14.5423	0.8594	0.0000	36.0279
User Defined Retail	23.38	4.7459	0.2805	0.0000	11.7578
Total		24.0341	1.4204	0.0000	59.5435

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	23.38	4.7459	0.2805	0.0000	11.7578
Strip Mall	71.64	14.5423	0.8594	0.0000	36.0279
User Defined Retail	23.38	4.7459	0.2805	0.0000	11.7578
Total		24.0341	1.4204	0.0000	59.5435

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation
